


012104

13281 U.S. PTO

PTO/SB/05 (08-00)

Please type a plus sign (+) inside this box Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

MPA31US

First Inventor

Kia Silverbrook

Title  
Printhead Assembly with Power, Data and Fluid  
Connections

Express Mail Label No.

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages **43** ]  
(preferred arrangement set forth below)
- Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [ Total Sheets **60** ]
5. Oath or Declaration [ Total Pages **3** ]
- a. ☒ Newly executed (original or copy)  
Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 17 completed)
- b. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
  - ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☒ Assignment Papers (cover sheet & document(s))  
37 CFR 3.73(b) Statement ☐ Power of  
(when there is an assignee) Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS  
Citations
12. ☐ Preliminary Amendment
13. ☐ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
15. ☐ Other: \_\_\_\_\_
16. ☐ \_\_\_\_\_

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,  
or in an Application Data Sheet under 37 CFR 1.76:☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information:

Examiner: \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under  
Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.  
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**18. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label**24011**

(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

Name

**KIA SILVERBROOK**

Address

**393 Darling Street,**

City

**Balmain**

State

**NSW**

Zip Code

**2041**

Country

**Australia**

Telephone

**+61-2-9818-6633**

Fax

**+61-2-9555-7762**

Name (Print/Type)

K Silverbrook, NM Berry, GR Jackson and A Nakazawa

Registration No. (Attorney/Agent)

Signature

Date **January 9, 2004**Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on  
the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC  
20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application,  
Washington, DC 20231.



13281 U.S. PTO

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 930.00)

**Complete if Known**

Application Number	
Filing Date	
First Named Inventor	Kia Silverbrook
Examiner Name	
Art Unit	
Attorney Docket No.	MPA31US

**METHOD OF PAYMENT (check all that apply)**☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:Deposit Account Number  
Deposit Account Name


The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments☐ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	770.00
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$ 770.00)

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Total Claims	9	-20** =		X		=	0
Independent Claims	1	-3** =		X		=	0
Multiple Dependent						=	

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1202	18	2202	9	Claims in excess of 20	
1201	86	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple dependent claim, if not paid	
1204	86	2204	43	** Reissue independent claims over original patent	
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$ )

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	160.00
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 160.00)

**SUBMITTED BY**

Name (Print/Type)	K Silverbrook, NM Berry, GR Jackson and A Nakazawa	Registration No. (Attorney/Agent)	Telephone	612 98186633
Signature		Date	January 9, 2004	

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



**SILVERBROOK RESEARCH Pty Ltd**

393 Darling Street Balmain NSW 2041 Australia  
PO Box 207 Balmain NSW 2041 Australia  
Phone: +61 2 9818 6633 Fax: + 61 2 9818 6711  
Email: [info@silverbrookresearch.com](mailto:info@silverbrookresearch.com)  
ACN 066 573 671

**Direct fax +61 2 95455 7762**

January 20, 2004

Commissioner of Patents and Trademarks  
Washington DC 20231  
USA

**COPY**

Dear Sir

**96 New United States Patent Applications**  
**Assignee: Silverbrook Research Pty Ltd**

This letter accompanies 96 new patent applications.

**One bank draft** for the total amount of US\$95,704.00 is enclosed to cover filing and assignment fees for each of the 96 applications. Also attached is a list giving details of each application.

We look forward to receiving filing receipts in due course.

If you need to contact us in relation to the applications, please email my assistant, Leonie News at [leonie.news@silverbrookresearch.com](mailto:leonie.news@silverbrookresearch.com) or by fax to +61 2 9555 7762.

Yours faithfully

Kia Silverbrook  
Silverbrook Research Pty Ltd

	DOCKET NO.	TITLE	INVENTORS	AMOUNT US\$
1	WAL01	Self Contained Wallpaper Printer	K Silverbrook,TA King and JF Lee	1412
2	WAL02	Media Cartridge for Wallpaper Printer	K Silverbrook,TA King and JF Lee	1376
3	WAL03	Consumer Tote for Wallpaper Printer	K Silverbrook,TA King and JF Lee	1394
4	WAL04	Cutter Module with Optional Slitter	K Silverbrook,TA King and JF Lee	1394
5	WAL05	Slitter Module with Optional Cutter	K Silverbrook,TA King and JF Lee	1376
6	WAL06	In-Line Dryer for a Printer	K Silverbrook,TA King and JF Lee	1376
7	WAL07	On Demand Wallpaper Printer	K Silverbrook,TA King and JF Lee	1412
8	WAL08	Method for Printing Wallpaper	K Silverbrook,TA King and JF Lee	1412
9	WAL09	Wallpaper Printing Business Methods	K Silverbrook,TA King and JF Lee	1394
10	WAL10	Wallpaper Printing Franchise Methods	K Silverbrook,TA King and JF Lee	1394
11	WAL11	Wallpaper Printer	K Silverbrook,TA King and JF Lee	1412
12	WAL12	Method for Printing Wallpaper On-Demand	K Silverbrook,TA King and JF Lee	1412
13	WAL13	Drying Method for a Printer	K Silverbrook,TA King and JF Lee	1412
14	WAL14	Supplying Media to a Wallpaper Printer	K Silverbrook,TA King and JF Lee	1394
15	WAL15	Printhead Assembly for a Wallpaper Printer	K Silverbrook,TA King and JF Lee	1412
16	WAL16	Wallpaper Printer with Removable Printhead	K Silverbrook,TA King and JF Lee	1412
17	WAL17	Consumer Tote with Core	K Silverbrook,TA King and JF Lee	1394
18	WAL18	Removable Printhead Assembly for a Wallpaper Printer	K Silverbrook,TA King and JF Lee	1412
19	WAL19	Self Threading Wallpaper Printer	K Silverbrook,TA King and JF Lee	1412
20	WAL20	Wallpaper Printing On-Demand	K Silverbrook,TA King and JF Lee	1394
21	MPA01	Printhead Module for Printhead Assembly	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
22	MPA02	Printhead Module Having Selectable Number of Fluid Channels	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
23	MPA03	Printhead Module with Laminated Fluid Distribution Stack	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
24	MPA04	Printhead Module with Fixedly Attached Printhead Tiles	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
25	MPA05	Method of Assembling Printhead Module	K Silverbrook & A Nakazawa	850

26	MPA06	Printhead Assembly	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	1956
27	MPA07	Printhead Assembly with Constrained Printhead Integrated Circuits	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
28	MPA08	Printhead Assembly with Clamped Printhead Integrated Circuits	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
29	MPA09	Printhead Assembly with Two or More Printhead Modules	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
30	MPA10	Printhead Assembly with Interconnected Printhead Modules	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
31	MPA11	Printhead Assembly with Sealed Fluid Delivery Channels	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
32	MPA12	Printhead Assembly with Fluid Supply Connections	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
33	MPA13	Printhead Assembly with Multiple Fluid Supply Connections	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
34	MPA14	Printhead Assembly with Removable Cover	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
35	MPA15	Printhead Assembly with Print Media Guide	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
36	MPA16	Printhead Assembly with Print Engine Controller	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
37	MPA17	Printhead Assembly with Selectable Printhead Integrated Circuit Control	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
38	MPA18	Printhead Assembly with Support for Print Engine Controller	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
39	MPA19	Compact Printhead Assembly	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
40	MPA20	Printhead Assembly with Combined Securing and Mounting Arrangement for Components	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
41	MPA21	Printhead Assembly with Common Printhead Integrated Circuit and Print Engine Controller Power Input	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
42	MPA22	Printhead System with Common Electrical Connector for Power and Data Signals	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
43	MPA23	Printhead Assembly with Loaded Electrical Connections	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
44	MPA24	Printhead Assembly with Dual Power Input	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
45	MPA25	Printhead Assembly with Mounting Element for Power Input	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
46	MPA26	Printhead Assembly with Electrically Interconnected Print Engine Controllers	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
47	MPA27	Printhead Assembly with Electrical Connection Member for Interconnecting Print Engine Controllers	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
48	MPA28	Mounting and Supporting Arrangement for Printhead Assembly	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
49	MPA29	Printhead Assembly Relatively Free from Environmental Effects	K Silverbrook, NM Berry, PC Knight, GR Jackson & A Nakazawa	970
50	MPA30	Printhead Assembly with Dual Power Supply	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930

51	MPA31	Printhead Assembly with Power, Data and Fluid Connections	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
52	MPA32	Printhead Assembly with Floating Components	K Silverbrook, NM Berry, GR Jackson & A Nakazawa	930
53	MPA33	Printed Circuit Board with Spring Action	K Silverbrook, NM Berry & PC Knight	890
54	RRA01	Inkjet Printer Cartridge with Pagewidth Printhead	K Silverbrook	\$810.00
55	RRA02	Method for Facilitating Maintenance of an Inkjet Printer Having a Pagewidth Printhead	K Silverbrook	\$810.00
56	RRA03	Removable Inkjet Printer Cartridge	K Silverbrook	810
57	RRA04	Inkjet Printer Cartridge with Fixative Delivery Capabilities	K Silverbrook	810
58	RRA05	Inkjet Printer Cartridge with Infrared Ink Delivery Capabilities	K Silverbrook	810
59	RRA06	Pagewidth Inkjet Printer Cartridge with a Refill Port	K Silverbrook	810
60	RRA07	Inkjet Printer Cartridge with Air Filter	K Silverbrook	810
61	RRA08	Inkjet Printer Cartridge with a Compressed Air Port	K Silverbrook	810
62	RRA09	Inkjet Printer Cartridge with Combined Blotter	K Silverbrook	810
63	RRA10	Inkjet Printer Cartridge with Integral Maintenance Station	K Silverbrook, GR Jackson	850
64	RRA11	Pagewidth Inkjet Printer Cartridge with End Electrical Connectors	K Silverbrook	810
65	RRA12	Inkjet Printer Cartridge with Controlled Refill	K Silverbrook	810
66	RRA13	Inkjet Printer Cartridge with Ink Refill Port Having Multiple Ink Couplings	K Silverbrook	810
67	RRA14	Inkjet Printer Cartridge with Two Printhead Integrated Circuits	K Silverbrook	810
68	RRA15	Inkjet Printer Cartridge with Integral Shield	K Silverbrook	810
69	RRA16	Inkjet Printer Cartridge with Uniform Compressed Air Distribution	K Silverbrook	810
70	RRA17	Pagewidth Inkjet Printer Cartridge with Ink Delivery Member	K Silverbrook	810
71	RRA18	Inkjet Printer Cradle for Receiving a Pagewidth Printhead Cartridge	K Silverbrook	810
72	RRA19	Common Inkjet Printer Cradle for Pagewidth Printhead Printer Cartridge	K Silverbrook	810
73	RRA20	Method for Facilitating the Upgrade of an Inkjet Printer	K Silverbrook	810
74	RRA21	Inkjet Printer Cradle with Shaped Recess for Receiving a Printer Cartridge	K Silverbrook	810
75	RRA22	Inkjet Printer Cradle with Integrated Reader Circuit	K Silverbrook	810

76	RRA23	Inkjet Printer Cradle with End Data and Power Contacts	K Silverbrook	810
77	RRA24	Inkjet Printer Cradle with Cartridge Stabilising Mechanism	K Silverbrook	810
78	RRA25	Inkjet Printer Cradle with Single Drive Motor Performing Multiple Functions	K Silverbrook	810
79	RRA26	Inkjet Printer Cradle with Integrated Cartridge Engaging Mechanism	K Silverbrook	810
80	RRA27	Inkjet Printer Cradle with Compressed Air Delivery System	K Silverbrook	810
81	RRA28	Inkjet Printer Cartridge Refill Dispenser	K Silverbrook	810
82	RRA29	Inkjet Printer Cartridge Refill Dispenser System with Variably Positioned Outlets	K Silverbrook	810
83	RRA30	Inkjet Printer Cartridge Refill Dispenser with Plunge Action	K Silverbrook	810
84	RRA31	Inkjet Printer Cartridge Refill Dispenser with Security Mechanism	K Silverbrook	810
85	RRA32	Inkjet Printer Cartridge Refill Dispenser with Security Lock for Spent Refill	K Silverbrook	810
86	RRA33	Secure Method of Refilling an Inkjet Printer Cartridge	K Silverbrook	810
87	SMA01	Digital Photofinishing System	Kia Silverbrook and Tobin Allen King	976
88	SMA02	Digital Photofinishing System Mediaq Cartridge	Kia Silverbrook and Tobin Allen King	904
89	SMA03	Digital Photofinishing System Fluid Cartridge	Kia Silverbrook and Tobin Allen King	904
90	SMA04	Digital Photofinishing System Media and Fluid Cartridge	Kia Silverbrook and Tobin Allen King	868
91	SMA05	Photofinishing System with Drier	Kia Silverbrook and Tobin Allen King	976
92	SMA06	Photofinishing System with Slitting Mechanism	Kia Silverbrook and Tobin Allen King	958
93	SMA07	Photofinishing System Print Media Feed	Kia Silverbrook and Tobin Allen King	940
94	SMA08	Hybrid Digital Photofinishing System	Kia Silverbrook and Tobin Allen King	958
95	SMA09	Digital Photofinishing System Printhead Assembly	Kia Silverbrook and Tobin Allen King	958
96	SMA10	Digital Photofinishing Business Method and Franchise Operation	Kia Silverbrook and Tobin Allen King	850
97				
98				95704